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(74) Agent: **PHILLIPS ORMONDE & FITZPATRICK**; 367
Collins Street, Melbourne, Victoria 3000 (AU).

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(71) Applicant (for all designated States except US): **BAKER
MEDICAL RESEARCH INSTITUTE** [AU/AU]; Com-
mercial Road, 4th Floor, Prahran, Victoria 3181 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KROZOWSKI**,
Zygmunt [AU/AU]; 14 Winterton Drive, Wheelers Hill,
Victoria 3150 (AU). **SVIRIDOV**, Dmitri [AU/AU]; 14
Trenton Avenue, Glen Waverley, Victoria 3150 (AU).

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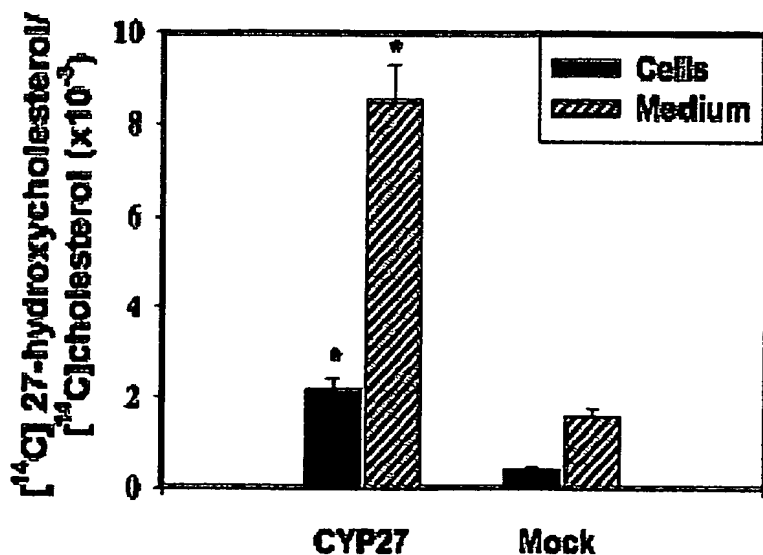
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For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: **CHOLESTEROL EFFLUX AND USES THEREOF**



(57) Abstract: In a first aspect of the present invention, there is provided a method of modulating cholesterol efflux in a cell, said method comprising modulating expression and/or activity of sterol 27-hydroxylase (CYP27) and/or caveolin-1 in the cell. Applicants have found that cholesterol can be removed by cholesterol efflux which is regulated by CYP27 and/or caveolin-1. More surprisingly for CYP27 modulation the cholesterol effluxed remains in the form of cholesterol and not as oxidized cholesterol as would be expected in the presence of CYP27. Preferably, CYP27 is modulated in macrophages and caveolin-1 is modulated in hepatic cells.

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A. CLASSIFICATION OF SUBJECT MATTER				
Int. Cl. ⁷ : A61K 31/713, C12N 5/10, 5/16, 5/22, A61P 3/06				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Derwent World Patent Index, Medline. "Cholesterol efflux", caveolin, CYP27, sterol hydroxylase,				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X, Y	WO 99/46592 (The Regents of the University of California) 16 September 1999. See pages 3 - 5 and the claims in particular.	1 - 58		
A	EP 1076091 (Universite Catholique de Louvain) 14 February 2001. See paragraphs 14 and 25 in particular.	1 - 58		
Y	Ikonen, E. Current Opinion in Lipidology, Vol 8, pp 60 - 64 (1997). See page 62 column 2 in particular.	1 - 58		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex				
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Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929		Authorized officer K.G. ENGLAND Telephone No : (02) 6283 2292		

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Pol, A et al, The Journal of Cell Biology, Vol 152, pp 1057 - 1070 (March 2001). See page 1058 column 1, page 1069 in particular.	1 - 58
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X,	Yamauchi, Y et al, Biochimica et Biophysica Acta, Vol 1585, pp 1 - 10 (2002). See pages 1, 2, 7 and 8 in particular.	13-15, 28, 34, 52
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU03/01256

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
EP	1076091	AU	64408/00	EP	1206539	US	2002156123
		WO	0111038				
WO	9946592	AU	29935/99	US	6261760		
END OF ANNEX							